

ABSTRACT

5 The invention relates to a device which is used to film, record and reproduce video images in real time with a three dimensional appearance, using a video camera and a sonar system in order to obtain the depth information. According to the invention, an electronic system divides up the original image filmed in BGR format and each image is modified in accordance with the depth register (or programming) in order to form new images. Each image corresponds to a determined distance level. The result is displayed on a monitor comprising various independent transparent LCD (liquid crystal display) screens which are aligned one
10 after the other. By displaying the images simultaneously, a single image is formed for the spectator, said image creating an appearance of volume and three-dimensional perception similar to low relief. The depth, video and sound signals are transmitted directly for reproduction purposes and to the magnetic tape recording system for storage purposes, using
15 three magnetic tape heads.